



**Dr. NITHYA PREM S R**

PDF (ICSSR), Ph. D (Education), UGC-NET with JRF, UGC-SRF, M.Ed. (Physical Science), M.Sc. (Physics)

Assistant professor

Department of Education Central

University of Rajasthan

Bandarsindri, N.H-8, Kishangarh, Ajmer, Rajasthan-305817

Email: [nithya.prem@curaj.ac.in](mailto:nithya.prem@curaj.ac.in), [nithyavibin@gmail.com](mailto:nithyavibin@gmail.com)

Mob: 9995849017

---

**SCHOLASTIC RECORDS**

<b>Educational Qualifications</b>	<b>Board of Examinations</b>	<b>Year</b>	<b>Division</b>
Post-doctoral Fellow	ICSSR, New Delhi	2021	Awarded
Ph. D Education	University of Kerala, Thiruvananthapuram.	2018	Awarded
NET with JRF and SRF	UGC, New Delhi	2009	Awarded
M.Ed. Physical Science	MG University, Kottayam	2007	I
B.Ed. Physical Science	University of Kerala, Thiruvananthapuram.	2005	I
MSc Physics	University of Kerala, Thiruvananthapuram.	2003	I
BSc Physics	University of Kerala, Thiruvananthapuram.	2001	I

**PATENT**

- Title of the Invention CHALLENGES OF CURRICULUM DESIGN AND EVALUATION

**AWARDS AND ACHIEVEMENTS**

- Young Woman Researcher award in Education from Venus International Foundation Estd. u/s 3 of the Indian Trusts Act,1882 ISO 9001:2008 Certified Dated – 4th March 2023
- Savitri Bai Phule National Fellowship Award from Bhartiya Dalit Sahitya Academy, New Delhi.2021.
- Young Women Scientist Award from Department of Education, University of Kerala, 2020.

## **RESEARCH EXPERIENCE**

- Post-doctoral Fellow from ICSSR, New Delhi for the period of 2 years (2019-2021)

## **PROFESSIONAL EXPERIENCE**

- Assistant Professor, Department of Education, Central University of Rajasthan, India from June 2022 onwards.
- Worked as Assistant Professor of Education in Fathima Memorial Training College, Pallimukku, Kollam, Kerala, India from December 2021 to May 2022.
- Worked as Assistant Professor of Education in Karmela Rani Training College, Kollam, Kerala, India from November 2019 to December 2019
- Worked as Assistant Professor of Education in Metca College of Teacher Education, Chavancode, Palayamkunnu P O, Thiruvananthapuram, Kerala, India from November 2007 to January 2012
- Worked as Assistant Professor of Education in KTCT College Of Teacher Education, Kaduvail, Thottakadu P O, Thiruvananthapuram, Kerala, India from March 2007 to Jun 2007.

## **PARTICIPATED IN FACULTY DEVELOPMENT PROGRAMME**

- Six days online Interdisciplinary Faculty Development Programme on innovative Practices in Higher Education and Research in collaboration with AMU Malappuram Centre, (KERALA) from 02 to 07 January 2023 organized by the UGC Human Resource Development Centre, Aligarh Muslim University.
- Professional Development Programme (PDP) on National Education Policy-2020, jointly offered by IGNOU and UGC.

## **CURRICULUM DESIGN:**

- Scientific communication and Technical writings
- Sustainability in waste management
- Educational Communication Technology

## **PUBLICATIONS**

- Problem-Solving Templates In Physics For Nurturing The Skill Of Evaluation In Critical Thinking Skills, in Scopus Indexed journal of European Chemical Bulletin ISSN 2063-5346, Page No: 1743-1751 Vol 12, Special Issue 04, April 2023.
- Role of women Entrepreneurship in INDIA, in Scopus Indexed journal of *Positive School Psychology* ISSN 2717-7564, Page No: 257-260 Vol 6 Issue 04, 2022.
- Developing the Skill of Defining Operationally Through Problem Solving Model for Enhancing Integrated Process Skill in Physics at Higher Secondary, in Scopus Indexed and Web of Science journal of *International Journal of Early Childhood Special Education (INT-JECS)*, ISSN: 1308-5581 Page No 488- 493, Vol 14, Issue 03,2022.
- Integrated Process Skills Fostering a Cognitive Variable for Problem Solving in Physics Teaching at Secondary Level, in Scopus Indexed journal of *International Journal of Psychosocial Rehabilitation*

ISSN 1475-7192, Page No: 17893- 17903 Vol 24, Issue 06,2020.

- Problem-Solving Model Strategies for Enhancing Integrated Process Skills Among Secondary Level, in Scopus Indexed journal of *Critical Reviews*, ISSN 2394-5125 Page No –2808- 2813 Vol 7, Issue 15, 2020.
- Strategies based on ICT Problem-solving model for Enhancing integrated process skills in Physics at the Higher Secondary level, in Scopus Indexed journal of *Critical Reviews* ISSN2394-5125 Page No – 3257- 3262 Vol 7, Issue 09, 2020.
- Guided Discovery Method is Effective for Developing Critical Thinking Skills in Physics at Secondary Level, in Scopus Indexed journal of *Palarch's Journal of Archaeology of Egypt/Egyptology* ISSN 1567-214x Page No: 9140- 9148, Vol 17 (7),2020.
- Cognitive Rehabilitation and Problem-Solving Among Secondary School Students of Kerala, in Scopus Indexed journal of *Turkish Journal of Physiotherapy and Rehabilitation*,ISSN 2651-4451 Page No: 853 - 856 Vol 32, Issue 02, 2021.
- Effectiveness Of Information Gathering Of Critical Thinking Skills And Guided Discovery Method In Physics At Secondary Level, in Scopus Indexed journal of *Ilkogretim Online - Elementary Education Online*, ISSN 1305-3515, Page No: 4828-4833, Vol 20, Issue 05, 2021.
- Teaching And Learning of Physics Using Technology for Enhancing Problem Solving Model at High School Students, in Scopus Indexed journal *Turkish Online Journal of Qualitative Inquiry (TOJQI)*, ISSN 1309-6591, Page No: 5430-5440 Vol 12, Issue 03, 2021.
- Study on Critical Thinking Skills of Inference and Guided Discovery Model, in UGC Care Listed journal of *Kala: The Journal of Indian Art History Congress*, ISSN 0975-7945, PageNo: 58-63 vol 26, No.2 (XX): 2020-2021.
- Integrated Process Skills in Physics at Secondary School Students of Kerala, in UGC Care Listed journal of *Sambodhi* ISSN 2249-6661 Page No: 187- 195 Vol- 44, Number 1, 2021.
- Study on Critical Thinking Skill of Interpretation and Guided Discovery Method, in UGC Care Listed journal of *The Journal of Oriental Research Madras*, ISSN 0022-3301, Page No:29-37, Vol- 42 (3) March 2021
- Relationship between Critical Thinking Skill of Analysis and Guided Discovery Method in Physics at Higher Secondary School Students of Kerala, in UGC Care Listed journal of *Vidyabharati International Interdisciplinary Research Journal (Special Issue)* ISSN 2319- 4979, Page No: 3788- 3794 Vol- 2021 Special Issue on “Engineering Technologies and Management” Part 25.
- Dr. Nithya Prem S. R. & Prof. (Dr.) Bindu. R., ICT Based Problem Solving Model in Developing Identifying and Controlling Variables for Enhancing Integrated Process Skills in Physics at Higher Secondary Level, in UGC Care Listed journal of *Education: Rabindra Bharati University*,  
ISSN 0972-7175, Page No: 102-109, Vol- XXIV (10).
- Dr. Nithya Prem S. R. & Prof. (Dr.) Bindu. R.L, Problem Solving Model for Nurturing Integrated Process Skills in Physics at the Higher Secondary Schools of Kerala, in UGC Care Listed journal of *Bengal, past & present*:

*journal of the Calcutta Historical Society*, ISSN 0005-8807, Page No: 28- 31 Vol.139, (IV) July – December 2021.

- Problem Solving Model in Developing the skill of Defining Operationally for Enhancing Integrated Process Skills in Physics at Secondary level, *International Journal of Emerging Technologies and Innovative Research (JETIR)*, ISSN 2349- 5162, Page No: 678-685, Vol. 5, Issue 12, December 2018.
- Developing a Problem Solving Model for Enhancing Integrated Process Skills of Formulating Hypotheses in Physics at Secondary Schools of Kerala. *International Journal of Research and Analytical Reviews (IJRAR)*, E-ISSN 2348-1269, P-2349-5138, Page No: 465-471, Vol.5, Issue 3, September 2018.
- Integrated Process Skills and Problem-Solving among Secondary School students of Kerala, *Psycho-Lingua Association of India*, ISSN 0377-3132, Page No: 166-170, Vol.48 (2), July 2018.
- Problem Solving Model Based on Physics Activities, (2019) Meena Book Publications New Delhi(India) ISBN: 978-93-85957-32-1.
- Educational Reflections on 21<sup>st</sup> Century Class Room, Edited BOOK (2020), New Man Publications ISBN: 978-81-947349-9-4.
- The Impact of Mass Media on the Socio-Cultural Life, Psychosocial Perspectives in Literature, Media and Culture(2021), Authors Press, New Delhi ISBN: 978-93-90588-67-1, Page no: 85-91.
- Competence in Problem Solving, Cognition and Related Psychology of 21<sup>st</sup> Century Learners (2020), A.P.H. Publishing Corporation, ISBN: 978-93-89875-17-1, Page no: 145-157.
- Problem Solving Model for Enhancing Integrated Process skill of Identifying and Controlling variables in Physics at the secondary level, Research Trends in Undergraduate Courses (2018) Department of Education, University of Kerala, ISBN: 978-93- 5346-705-0, Page no: 80-87.

## **PAPER PRESENTATIONS/INVITED LECTURES/RESOURCE PERSON**

- Presented a paper titled “Conscientization of Nurturing Integrated process skills through Problem- solving model among higher secondary school students” in the International Seminar on Education of Conscientization: Emerging Global Trends & 18<sup>th</sup> Annual Convention of CTEF, Kerala State Centre organized by NSS Training College Ottappalam, Palakkad, Kerala, India from 27<sup>th</sup> to 29<sup>th</sup> February 2020.
- Presented a paper titled “Nurturing Integrated process skills through Problem-solving model” in the International 2<sup>nd</sup> Conference on Educational Technology, SIET, Kerala in association with Dept. of Education, University of Kerala, Thiruvananthapuram, Kerala, India from 1<sup>st</sup> to 2<sup>nd</sup> January 2020.
- Presented a paper titled “Problem-solving model in Developing the skill of experimenting for enhancing integrated process skill in physics at secondary level” in the International Conference and XVII Annual Convention of Council for Teacher Education CTE, Kerala organized by , Mount Tabor Training College, Pathanapuram P.O, Kollam, Kerala, India from 17<sup>th</sup> to 19<sup>th</sup> January 2019.
- Presented a paper titled “Make in India: Science and Technology” in the National Science Day Celebrations -2016 State level Seminar on Make in India: S & T Driven Innovations organized by HKM College of Education Umayanalloor, Kollam Kerala, India on 27<sup>th</sup> February 2016.
- Presented a paper titled “Strategies based on ICT for Enhancing Science Process Skills and Problem- Solving

in Physics at Secondary Level” in the UGC-sponsored national seminar on Techno-Pedagogy and Knowledge Management: The Transitional Gateway of Digital Instructional Space, hosted and organized by IQAC of Govt. College of Teacher Education, Thycaud, Thiruvananthapuram, Kerala, India from 18<sup>th</sup> to 19<sup>th</sup> March 2016.

- Presented a paper titled “Developing a Problem-Solving Model for Enhancing Integrated Process Skills in Physics at the Secondary Level” in the Research Colloquium organized by Government College of Teacher Education, Thycaud, Thiruvananthapuram, Kerala, India on 15<sup>th</sup> July 2014.
- Presented a paper titled “Gandhian thoughts on present era” in the National Conference on Trends & Innovations in Gandhian Thought organized by the Institute of Gandhian Thought Research and Action (IGTRA) under the aegis of Kerala Gandhi Smarak Nidhi Thycaud, Thiruvananthapuram-695014 from 12<sup>th</sup> to 13<sup>th</sup> December 2014.
- Presented a paper titled “Strategies for improving integrated Science process skills among Secondary School Students of Kerala” in The NACC Sponsored National Seminar On Best Practices In Education For 21<sup>st</sup> Century hosted and organized by Fathima Memorial Training College Pallimukku, Vadakkevilap.O., Kollam -10, Kerala, India from 10<sup>th</sup> to 11<sup>th</sup> December 2013.
- Presented a paper titled “Problem Solving Model of Teaching Physics” in the international seminar on innovations, quality, and excellence in education organized by Fathima Memorial Training College, Pallimukku, Kollam, Kerala, India from 11<sup>th</sup> to 12<sup>th</sup> January 2013.
- Presented a paper titled “A great visionary educationist of Indians approaches to various strategies based on problem-solving method” in the UGC-sponsored national seminar on Mahatma Madan Mohan Malaviya: A Great Visionary Educationist of India hosted and organized by the Department of Education, University of Kerala, Thycaud, Thiruvananthapuram, Kerala, India from 19<sup>th</sup> to 20<sup>th</sup> December 2012.
- Presented a paper titled “Gandhian Educational Principles and Practices in Problem Solving Methods” in the International seminar on Gandhian Educational Principles and Practices in the emerging global scenario organized by Kerala Gandhi Smarak Nidhi, Thycaud, Thiruvananthapuram, Kerala, India from 25<sup>th</sup> to 27<sup>th</sup> July 2012.
- Presented a paper titled “Constructivist problem based learning on the achievement of Physics students with low ability levels” in the International Education meet on Education for Global Excellence organized by Mar Theophilus Training College and Council for Teacher Education, in collaboration with the Association of International Researchers of Indian Origin (AIRIO), the USA at Mar Theophilus Training College, Mar Ivancho's Vidyanagar, Nalanchira, Thiruvananthapuram - 15, Kerala, India. from 5<sup>th</sup> to 7<sup>th</sup> January 2012.

**Dr. Nithya Prem S R**